



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**KENYA METEOROLOGICAL DEPARTMENT**

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**REF.NO: KMD/FCST/10-2026/MARINE/42**

**Date: Issued on 12<sup>th</sup> October, 2026**

**7-Day Marine Forecast for the Kenya Coast and Off Shore Areas**  
**Along the Western Indian Ocean Region**  
**Validity: 13/10/2026 - 19/10/2026**

**1.0 GENERAL OUTLOOK**

**1.1 Wind Speed & Direction:**

North-Easterly to South-Westerly winds are expected over Somalia, Kenya and Tanzania waters with wind speeds of 03 to 19 knots (1.5-9.5m/s) throughout the forecast period.

**1.2 Sig. Wave Height and Direction:**

Easterly-North-Easterly to South-South-Easterly waves are expected over Kenya, and Tanzania waters with wave heights of 0.3-2.5m ( $\approx$  0.9-7.5ft) throughout the forecast period.

**1.3 Sea condition**

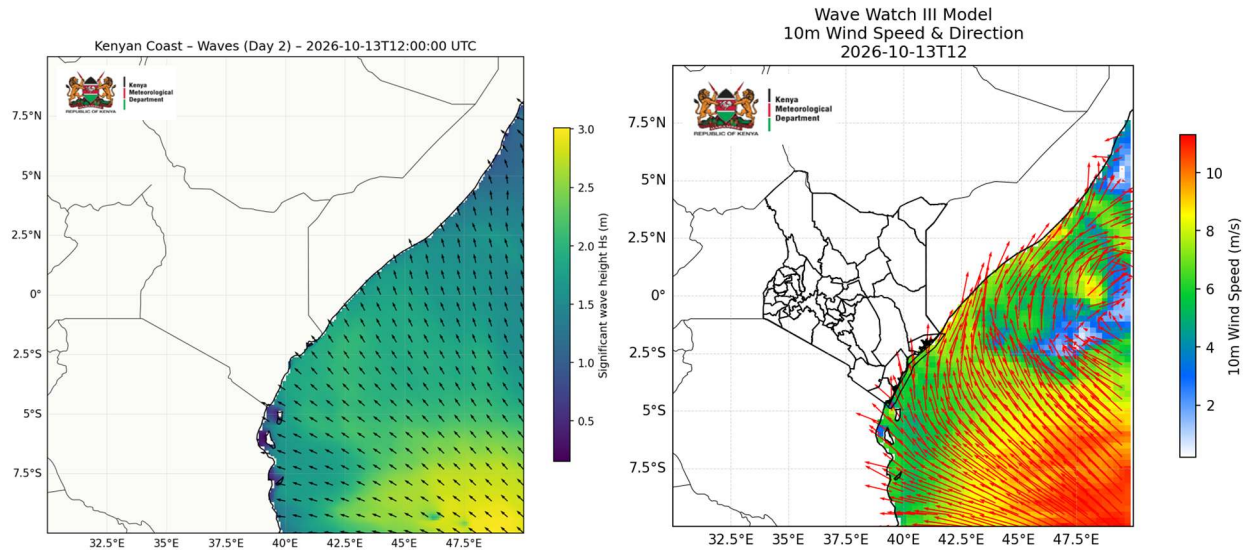
- Light to fresh breeze with wind speeds of 1.5–9.5m/s (03 to 19 Knots) expected over Somalia, Kenya and Tanzania waters throughout the forecast period.
- Slight to Rough Sea condition with wave heights of 0.3-2.5m ( $\approx$  0.9–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

## 2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 13<sup>TH</sup> OCTOBER, 2026 TO 14<sup>TH</sup> OCTOBER, 2026.

### 2.1 Tuesday 13<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.3 m to 2.0 m ( $\approx$  0.9– 6.0ft)

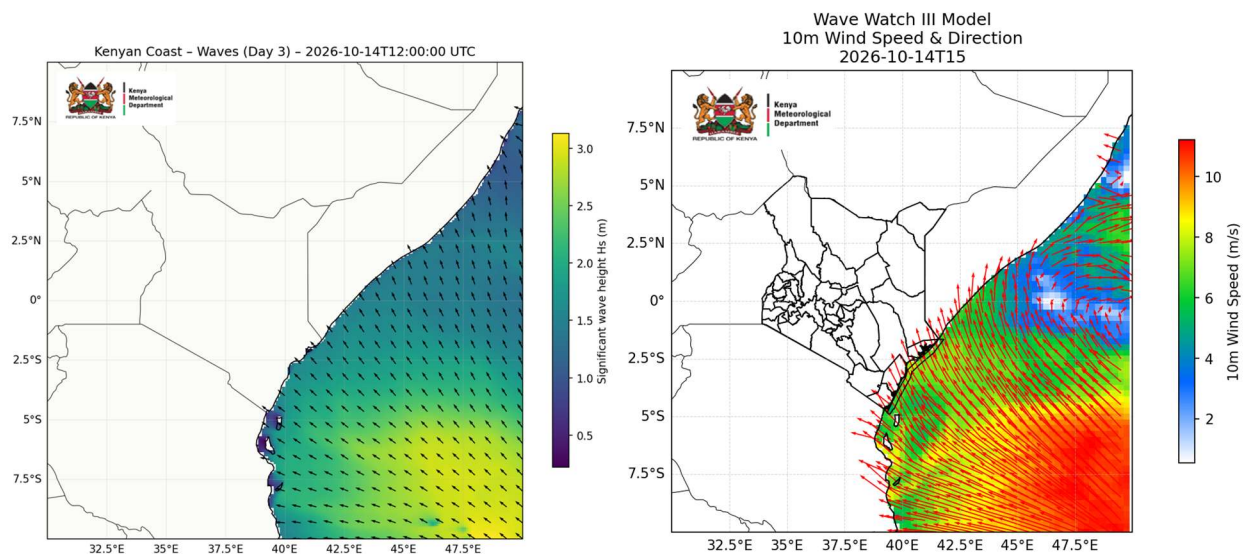
10m Winds: 3-18 knots ( $\approx$  1.5 –9m/s)



### 2.2 Wednesday 14<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

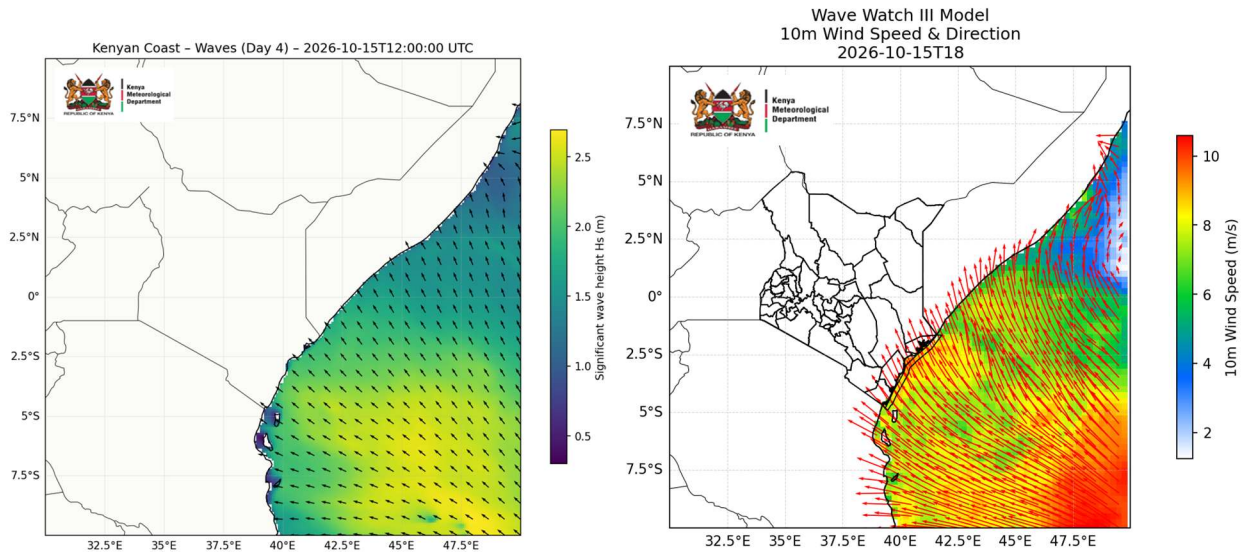
Wave height: 0.4 m to 2.3m ( $\approx$  1.2– 6.9ft)

10m Winds: 3-18 knots ( $\approx$  1.5– 9m/s)



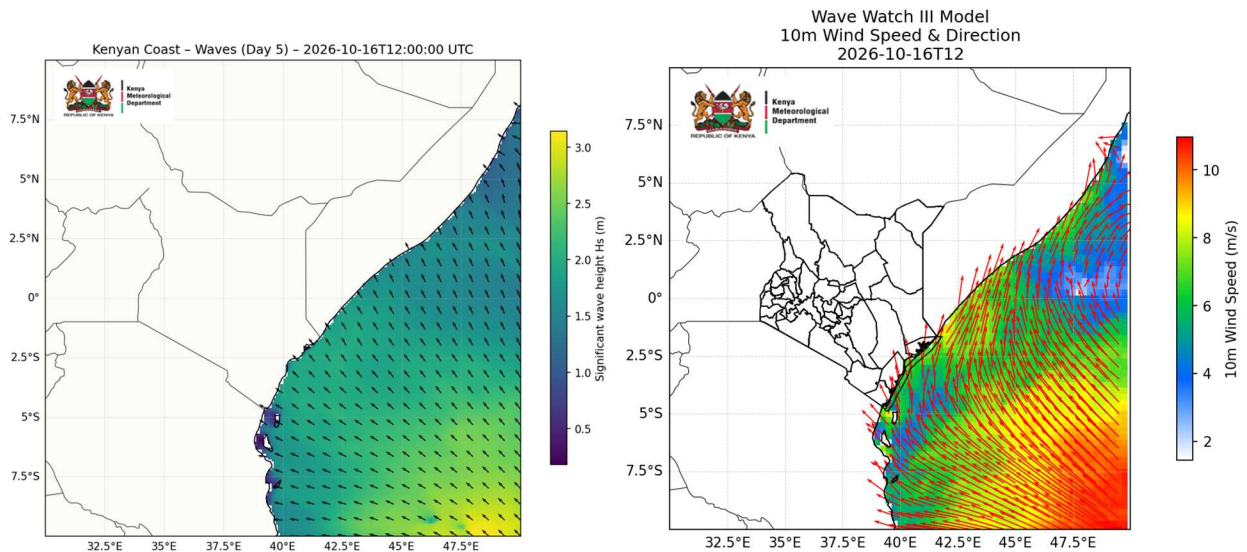
### 2.3 Thursday 15<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4m to 2.3m ( $\approx 1.2 - 6.9$ ft)      10m Winds: 3-19 knots ( $\approx 1.5 - 9.5$ m/s)



### 2.4 Friday 16<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

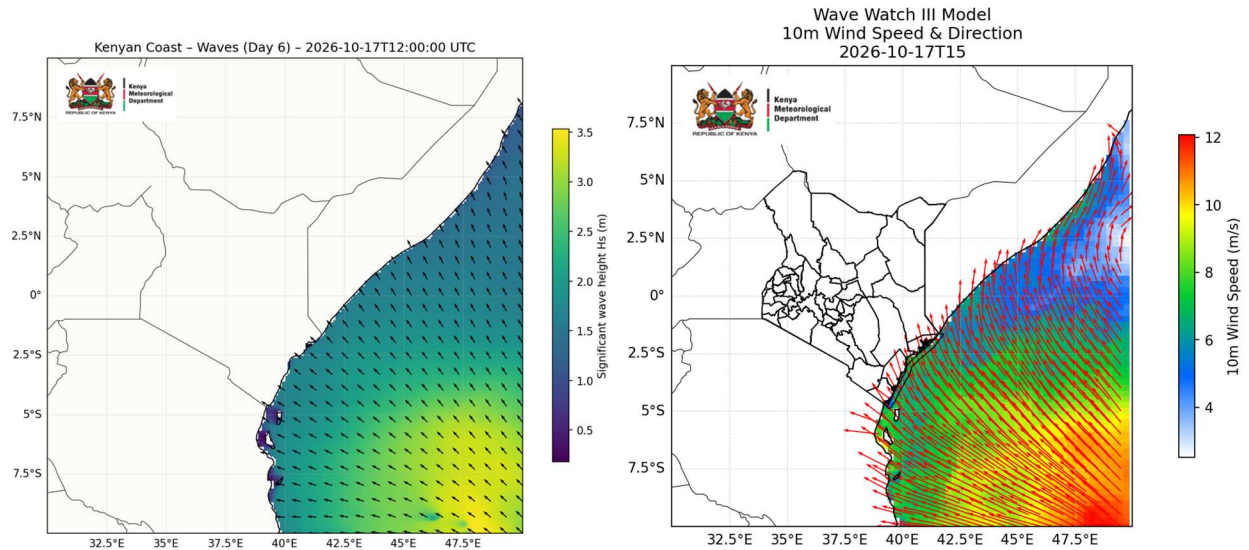
Wave height: 0.4 m to 2.2m ( $\approx 1.2 - 6.6$ ft)      10m Winds: 3-18 knots ( $\approx 1.5 - 9$ m/s)



## 2.5 Saturday 17<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.0m ( $\approx$  1.2– 6.0ft)

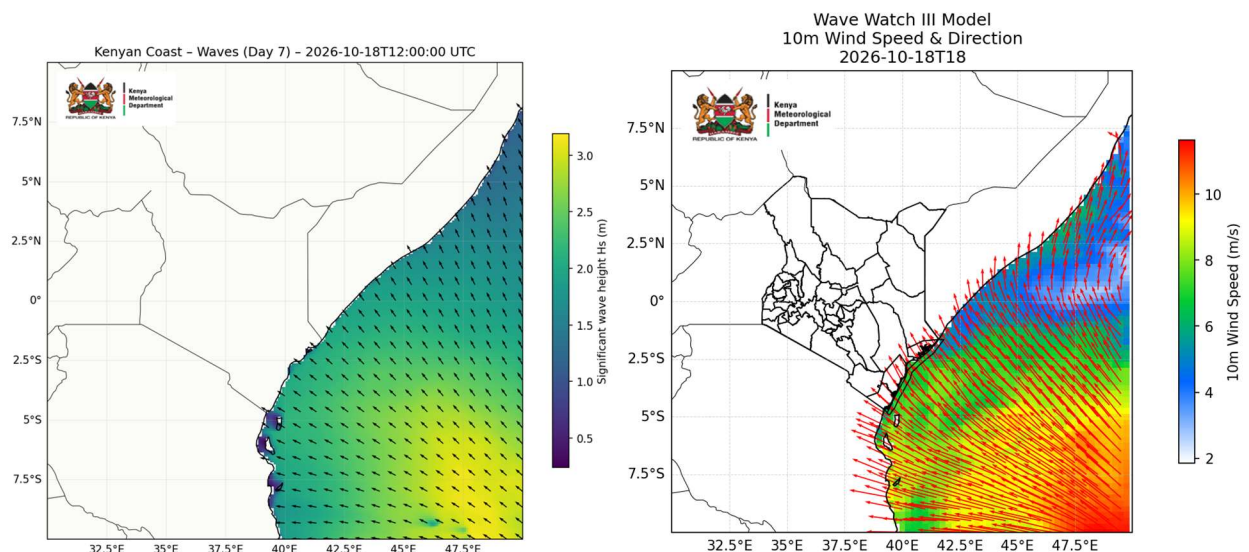
10m Winds: 6-16 knots ( $\approx$  3– 8m/s)



## 2.6 Sunday 18<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.5 m ( $\approx$  0.9–7.5ft)

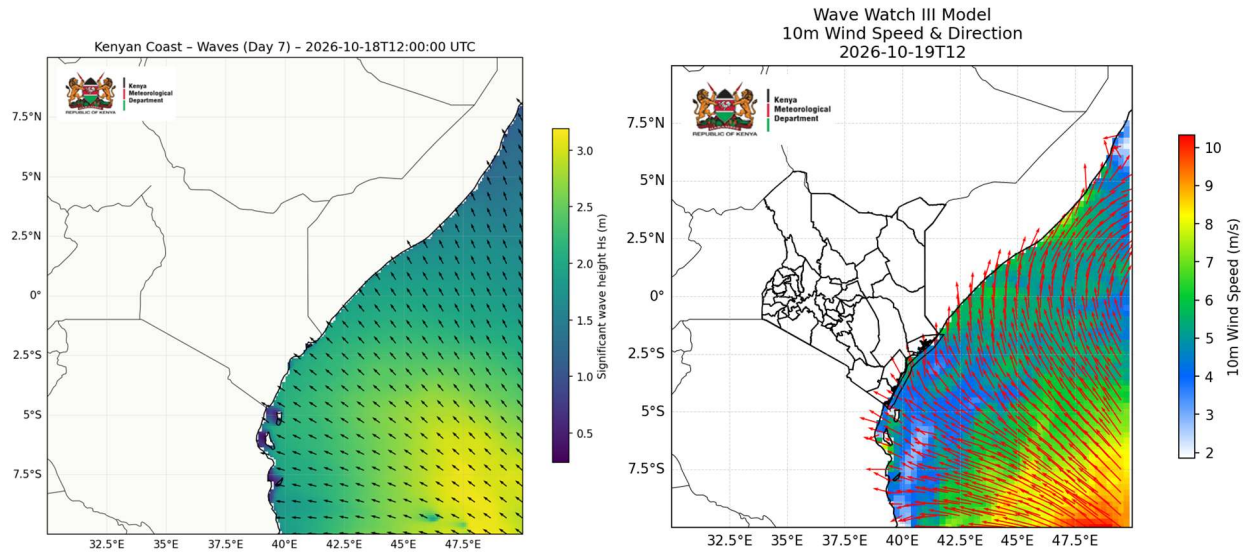
10m Winds: 4-18 knots ( $\approx$  2– 9m/s)



## 2.7 Monday 19<sup>th</sup> October, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.4 m to 2.5 m ( $\approx$  0.9–7.5ft)

10m Winds: 4-12 knots ( $\approx$  2– 6m/s)



## 3.0 TIDE FORECAST VALID FROM 13<sup>TH</sup> OCTOBER, 2026 TO 19<sup>TH</sup> OCTOBER, 2026.

| Date                               | Description          | High Tide |        | Low Tide |        |
|------------------------------------|----------------------|-----------|--------|----------|--------|
|                                    |                      | Time      | Height | Time     | Height |
| Tue 13 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 5:19 AM   | 3.65 m | 11:31 AM | 0.12 m |
|                                    | 2 <sup>nd</sup> Tide | 5:36 PM   | 3.1 m  | 11:26 PM | 0.31 m |
| Wed 14 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 5:46 AM   | 3.52 m | 12:01 AM | 0.36 m |
|                                    | 2 <sup>nd</sup> Tide | 6:04 PM   | 2.92 m | 11:53 PM | 0.53 m |
| Thu 15 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 6:14 AM   | 3.34 m |          |        |
|                                    | 2 <sup>nd</sup> Tide | 6:32 PM   | 2.72 m | 12:30 PM | 0.57 m |
| Fri 16 <sup>th</sup> October, 2026 | 1 <sup>st</sup> Tide | 6:31 AM   | 2:82 m | 00:12AM  | 0.62 m |
|                                    | 2 <sup>nd</sup> Tide | 6:51 PM   | 2.21 m | 12:57 PM | 0.67 m |

|                                          |                            |          |          |         |        |
|------------------------------------------|----------------------------|----------|----------|---------|--------|
| <b>Sat 17<sup>th</sup> October, 2026</b> | <b>1<sup>st</sup> Tide</b> | 7:03 AM  | 2.56py m | 00:41AM | 0.86 m |
|                                          | <b>2<sup>nd</sup> Tide</b> | 7:27 PM  | 1.98 m   | 1:36 PM | 0.93 m |
| <b>Sun 18<sup>th</sup> October, 2026</b> | <b>1<sup>st</sup> Tide</b> | 7:58 AM  | 2.56 m   | 1:20 AM | 1.25 m |
|                                          | <b>2<sup>nd</sup> Tide</b> | 8:43 PM  | 2.02 m   | 2:40 PM | 1.32 m |
| <b>Mon 19<sup>th</sup> October, 2026</b> | <b>1<sup>st</sup> Tide</b> | 9:31 AM  | 2.31 m   | 2:15 AM | 1.52 m |
|                                          | <b>2<sup>nd</sup> Tide</b> | 11:20 PM | 1.97 m   | 4:44 PM | 1:44 m |

**KEY ON SEA STATE**

| <b>WAVE HEIGHT RANGE<br/>(Meters)</b>   | <b>DESCRIPTION</b> | <b>IMPACT</b>                                                                  |
|-----------------------------------------|--------------------|--------------------------------------------------------------------------------|
| 0.6 – 1.0 m ( $\approx$ 1.8 – 3.0 ft)   | Slight             | <b>Conditions suitable for Marine activities</b>                               |
| 1.0 – 1.9 m ( $\approx$ 3.0 – 5.7 ft)   | Slight – Moderate  |                                                                                |
| 2.0 – 2.9 m ( $\approx$ 6.0 – 8.7 ft)   | Moderate-Rough     | <b>Caution on operating marine activities</b>                                  |
| 3.0 – 4.0 m ( $\approx$ 9.0 – 12.0 ft)  | Rough              | <b>Warning in place!!!!<br/>Warning in place and marine activities on hold</b> |
| 4.1 – 5.5 m ( $\approx$ 12.3 – 16.5 ft) | Very Rough         |                                                                                |

**KEY ON SEA STATE**

| <b>WIND</b> | <b>RANGE</b>                          | <b>DESCRIPTIONS</b>                             | <b>IMPACT</b>                                                                                                                                             |
|-------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <b>&lt; 1 – 7 Knots</b>               | <b>Calm to light breeze</b>                     | <b>1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations</b>                                             |
|             | <b>7 – 21 Knots</b>                   | <b>Gentle breeze to fresh breeze</b>            | <b>7 – 17 knots, small boats are likely to be filled with water sprays and become unstable.<br/>Caution in carrying out marine activities</b>             |
|             | <b>22 – <math>\geq</math>34 Knots</b> | <b>Strong breeze to extremely strong breeze</b> | <b>More than 21 knots, the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations. Warning in place!!!!</b> |

***N.B:** This forecast should be used in conjunction with the daily marine forecast issued by this Department.*

***In concurrence with outputs from relevant marine data platforms, acknowledgement is fully accorded to: ESSO- Indian National Centre for Ocean Information Services (INCOIS), mercator-ocean.fr, COPERNICUS Marine Environment Monitoring Service (CMEMS) and other related sources.***

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